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                    GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on:       June 12, 2003, 00:37:34 ; Search time 282 Seconds
                                      (without alignments)
                                      6008.472 Million cell updates/sec

Title:          US-09-515-806A-1
Perfect score:  5525
Sequence:       5525
Sequence:       1 tcgccccacgcgtccgcacc.........aatgctttcatatacctgca 5525

Scoring table:  IDENTITY_NUC
                Gapop 10.0 , Gapext 1.0

Searched:       441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters:         882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :    Issued_Patents_NA:*
              1: /cgn2_6/ptodata/2/ina/5A_COMB.seq:*
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              4: /cgn2_6/ptodata/2/ina/6B_COMB.seq:*
              5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
              6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.		Score	% Query Match	Length	DB	ID	Description
c	1	187.6	3.4	81001	4	US-09-750-580-1	Sequence 1, Appli
	2	185.6	3.4	15297	4	US-09-817-180-3	Sequence 3, Appli
c	3	185.6	3.4	176373	3	US-09-128-155-17	Sequence 17, Appli
c	4	179	3.2	59065	4	US-09-813-817-3	Sequence 3, Appli
5		179	3.2	59065	4	US-09-978-197-3	Sequence 3, Appli
c	6	177.6	3.2	3166	4	US-09-341-587-8	Sequence 8, Appli
	7	176.8	3.2	81001	4	US-09-750-580-1	Sequence 1, Appli
c	8	176.2	3.2	6769	4	US-08-480-784-20	Sequence 20, Appl
c	9	176.2	3.2	6769	1	US-08-483-553-20	Sequence 20, Appl
c	10	176.2	3.2	6769	1	US-08-487-002-20	Sequence 20, Appl
c	11	176.2	3.2	6769	1	US-08-483-554B-20	Sequence 20, Appl
c	12	176.2	3.2	6769	1	US-08-488-011B-20	Sequence 20, Appl
c	13	176.2	3.2	6769	1	US-08-850-727-20	Sequence 20, Appl
c	14	176.2	3.2	6769	5	PCT-US95-10202-20	Sequence 20, Appl
c	15	176.2	3.2	6769	5	PCT-US95-10203-20	Sequence 20, Appl
c	16	176.2	3.2	6769	5	PCT-US95-10220-20	Sequence 20, Appl
c	17	175.4	3.2	9365	4	US-09-608-285A-8	Sequence 8, Appli
c	18	175.4	3.2	9365	4	US-09-350-836B-8	Sequence 8, Appli
c	19	175.4	3.2	9365	4	US-09-370-265-8	Sequence 8, Appli
c	20	175.4	3.2	14747	4	US-09-608-285A-42	Sequence 42, Appl
c	21	175.4	3.2	15977	4	US-09-608-285A-59	Sequence 59, Appl
c	22	175.4	3.2	72928	3	US-09-009-913-1	Sequence 7, Appli
	23	175	3.2	35060	3	US-08-814-095-7	Sequence 4, Appli
c	24	174.8	3.2	14581	4	US-08-520-373D-4	Sequence 43, Appli
c	25	174.8	3.2	22481	4	US-08-367-841A-43	Sequence 43, Appli
c	26	174.8	3.2	22481	5	PCT-US95-07201-43	Sequence 43, Appli
c	27	174.8	3.2	22484	4	US-09-875-223-2	Sequence 2, Appli
	28	174.8	3.2	84495	4	US-09-797-906-3	Sequence 3, Appli
	29	174.2	3.2	45546	4	US-09-146-053-6	Sequence 6, Appli
c	30	174	3.1	99500	4	US-09-798-096-10	Sequence 10, Appl
c	31	173.6	3.1	246240	2	US-08-724-394A-20	Sequence 20, Appl
c	32	173.6	3.1	246240	2	US-08-724-394A-21	Sequence 21, Appl
c	33	173.6	3.1	246240	2	US-08-724-394A-22	Sequence 22, Appl
	34	173	3.1	98884	4	US-09-791-211-10	Sequence 10, Appl
c	35	172.8	3.1	1288	1	US-08-047-041A-24	Sequence 24, Appli
c	36	172.8	3.1	1288	1	US-09-417-278A-1	Sequence 1, Appli
c	37	172.8	3.1	1316	1	US-08-047-041A-11	Sequence 11, Appl
c	38	172.8	3.1	1316	2	US-08-795-006A-31	Sequence 31, Appl
c	39	172.8	3.1	1316	2	US-09-184-073-31	Sequence 31, Appl
c	40	172.8	3.1	162450	4	US-09-345-882-1	Sequence 1, Appli
c	41	172	3.1	246240	2	US-08-724-394A-20	Sequence 20, Appl
c	42	172	3.1	246240	2	US-08-724-394A-21	Sequence 21, Appl
c	43	172	3.1	246240	2	US-08-724-394A-22	Sequence 22, Appl
	44	171.4	3.1	1926	4	US-09-117-250-4	Sequence 4, Appli
c	45	171.2	3.1	19736	4	US-09-740-035-3	Sequence 3, Appli

ALIGNMENTS

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RESULT 1
US-09-750-580-1/c
; Sequence 1, Application US/09750580
; Patent No. 6455280
; GENERAL INFORMATION:
; APPLICANT: Yen, Frances
; APPLICANT: Denison, Blake
; APPLICANT: Bour, Barbara
; APPLICANT: Bihain, Bernard
; APPLICANT: Dumas Milne Edwards, Jean-Baptiste
; APPLICANT: Duclert, Aymeric
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Ebbets-Reed, Dana
; APPLICANT: Salter-Cid, Luisa
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITING NEOPLASTIC CELL GROWTH
; FILE REFERENCE: 89.US2.CIP
; CURRENT APPLICATION NUMBER: US/09/750,580
; CURRENT FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: US 09/599,362
; PRIOR FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: PCT/IB00/0101
; PRIOR FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: PCT/IB99/02058
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: US 49/469/099
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: US 60/113,686
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: US 60/141,032
; PRIOR FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patent.pm
; SEQ ID NO 1
;  LENGTH: 81001
;  TYPE: DNA
;  ORGANISM: Homo sapiens
;  FEATURE:
;  NAME/KEY: misc_feature
;  LOCATION: 10946..12946
;  OTHER INFORMATION: 5'regulatory region
;  NAME/KEY: exon
;  LOCATION: 12947..12958
;  OTHER INFORMATION: exon 1
;  NAME/KEY: exon
;  LOCATION: 13470..13526
;  OTHER INFORMATION: exon 2
;  NAME/KEY: exon
;  LOCATION: 13641..13752
;  OTHER INFORMATION: exon 3
;  NAME/KEY: exon
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;  LOCATION: 14271..15968
;  OTHER INFORMATION: exon 4
;  NAME/KEY: misc_feature
;  LOCATION: 15969..17969
;  OTHER INFORMATION: 3'regulatory region
;  NAME/KEY: allele
;  LOCATION: 1239
;  OTHER INFORMATION: 20-828-311    : polymorphic base C or T
;  NAME/KEY: allele
;  LOCATION: 12347
;  OTHER INFORMATION: 17-42-319     : polymorphic base C or T
;  NAME/KEY: allele
;  LOCATION: 15241
;  OTHER INFORMATION: 17-41-250     : polymorphic base C or T
;  NAME/KEY: allele
;  LOCATION: 42218
;  OTHER INFORMATION: 20-841-149    : polymorphic base A or G
;  NAME/KEY: allele
;  LOCATION: 45442
;  OTHER INFORMATION: 20-842-115    : polymorphic base A or G
;  NAME/KEY: allele
;  LOCATION: 77058
;  OTHER INFORMATION: 20-853-415    : polymorphic base C or T
;  NAME/KEY: primer_bind
;  LOCATION: 929..949
;  OTHER INFORMATION: 20-828.pu
;  NAME/KEY: primer_bind
;  LOCATION: 1357..1377
;  OTHER INFORMATION: 20-828.rp complement
;  NAME/KEY: primer_bind
;  LOCATION: 12029..12050
;  OTHER INFORMATION: 17-42.pu
;  NAME/KEY: primer_bind
;  LOCATION: 12581..12603
;  OTHER INFORMATION: 17-42.rp complement
;  NAME/KEY: primer_bind
;  LOCATION: 14992..15012
;  OTHER INFORMATION: 17-41.pu
;  NAME/KEY: primer_bind
;  LOCATION: 15460..15482
;  OTHER INFORMATION: 17-41.rp complement
;  NAME/KEY: primer_bind
;  LOCATION: 42070..42090
;  OTHER INFORMATION: 20-841.pu
;  NAME/KEY: primer_bind
;  LOCATION: 42572..42591
;  OTHER INFORMATION: 20-841.rp complement
;  NAME/KEY: primer_bind
;  LOCATION: 45328..45347
;  OTHER INFORMATION: 20-842.pu
;  NAME/KEY: primer_bind
;  LOCATION: 45863..45883
;  OTHER INFORMATION: 20-842.rp complement
;  NAME/KEY: primer_bind
;  LOCATION: 76644..76664
;  OTHER INFORMATION: 20-853.pu
;  NAME/KEY: primer_bind
;  LOCATION: 77166..77185
;  OTHER INFORMATION: 20-853.rp complement
;  NAME/KEY: primer_bind
;  LOCATION: 1220..1238
;  OTHER INFORMATION: 20-828-311.mis complement
;  NAME/KEY: primer_bind
;  LOCATION: 1240..1258
;  OTHER INFORMATION: 20-828-311.mis complement
;  NAME/KEY: primer_bind
;  LOCATION: 12328..12346
;  OTHER INFORMATION: 17-42-319.mis
;  NAME/KEY: primer_bind
;  LOCATION: 12348..12366
;  OTHER INFORMATION: 17-42-319.mis complement
;  NAME/KEY: primer_bind
;  LOCATION: 15222..15240

;  OTHER INFORMATION: 17-41-250.mis
;  NAME/KEY: primer_bind
;  LOCATION: 15242..15260
;  OTHER INFORMATION: 17-41-250.mis complement
;  NAME/KEY: primer_bind
;  LOCATION: 42199..42217
;  OTHER INFORMATION: 20-841-149.mis
;  NAME/KEY: primer_bind
;  LOCATION: 42219..42237
;  OTHER INFORMATION: 20-841-149.mis complement
;  NAME/KEY: primer_bind
;  LOCATION: 45423..45441
;  OTHER INFORMATION: 20-842-115.mis
;  NAME/KEY: primer_bind
;  LOCATION: 45443..45461
;  OTHER INFORMATION: 20-842-115.mis complement
;  NAME/KEY: primer_bind
;  LOCATION: 77039..77057
;  OTHER INFORMATION: 20-853-415.mis
;  NAME/KEY: primer_bind
;  LOCATION: 77059..77077
;  OTHER INFORMATION: 20-853-415.mis complement
;  NAME/KEY: misc_binding
;  LOCATION: 1227..1251
;  OTHER INFORMATION: 20-828-311.probe
;  NAME/KEY: misc_binding
;  LOCATION: 12335..12359
;  OTHER INFORMATION: 17-42-319.probe
;  NAME/KEY: misc_binding
;  LOCATION: 15229..15253
;  OTHER INFORMATION: 17-41-250.probe
;  NAME/KEY: misc_binding
;  LOCATION: 42206..42230
;  OTHER INFORMATION: 20-841-149.probe
;  NAME/KEY: misc_binding
;  LOCATION: 45430..45454
;  OTHER INFORMATION: 20-842-115.probe
;  NAME/KEY: misc_binding
;  LOCATION: 77046..77070
;  OTHER INFORMATION: 20-853-415.probe
US-09-750-580-1

Query Match             3.4%;  Score 187.6;  DB 4;  Length 81001;
Best Local Similarity  71.1%;  Pred. No. 5.6e-35;
Matches 263;  Conservative  0;  Mismatches 104;  Indels  3;  Gaps  1;

Qy    5084 TCATCATAATTTAAAATTAAATTCTAAGAAGAGGCTGGGTGCAGTGGCTCACACCTTTAA 5143
                ||| ||||||||||| ||||||||||||| |||||||||||||||||||||
Db   65068 TTACCCTGATTTTACAAATAGGAAATTGTGTGGCCAGTGCAGTGGCTCACGGCCTGTAA 65009

Qy    5144 TCCCAGCACTTTGGGAAGCCAAGGCAGGAGGAAGACTGCTTGAAACCAGGAGTTTGAGACCAG 5203
                ||||||||||||||| |||||  |||  |||  ||||||||||||||||||| |||||||||
Db   65008 TCCCAGCACTTTGGGAGGCCAAGGTGGGTGGATCACCTGGGTCAGGAGTTCGAGACCAG 64949

Qy    5204 CCTGAGCAACAAAGCAAGACCCCATCTCTATAAAAAATTAGTTGGGCATGGT 5263
                |||| ||||||  |||||  |||||  |||| ||||  ||||||||||||||
Db   64948 CCTGGCCAACATGGTGAAACCCCGTCTCTATTAAAAATACAAAAATTAGCCGGGCATGGT 64889

Qy    5264 GGCACATGCCTGTAGTCCCAGCTACTCCAGGAGGCTGAG---ATGGATCATCTGAGCCTCA 5320
                |||||| ||||||||||||||||||||||| |||  ||||||||||||| |||| ||
Db   64888 GGCAGCAGGTTAATCCCAGCTACTCCAGGAGGCTGAGGCAGGAGAATCACTTGAACCCG 64829

Qy    5321 GGAGGTTGAGGCTGCAGTGAGCTGTGACTGGGAGTTGGGACAACAGA 5380
                ||||| ||||||||| ||||||||| |||||||| |||  ||||||
Db   64828 GGAGGCGGAGGTTGCAGTGAGCTGAGATTGGGCCAGTGCACTCGAGAGGACACGA 64769

Qy    5381 GCAAGACCCTGTCTTAAAAAAAAAAAATTTTTTTCTAAGAAGCTGTCCTA 5440
                |||| |||| ||  |||||||||||||      |||  ||||||
Db   64768 GCAGACTCTGTATCAAAAAAAAAAATAAATAAATAAGGAAACTGTGGCTCAG 64709

Qy    5441 CAAAGTTGAG 5450
                |||| |||
Db   64708 AGAAGTTAAG 64699
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RESULT 2
US-09-817-180-3
; Sequence 3, Application US/09817180
; Patent No. 6340584
; GENERAL INFORMATION:
; APPLICANT: GAN, Weiniu et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL001183
; CURRENT APPLICATION NUMBER: US/09/817,180
; CURRENT FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 15297
; TYPE: DNA
; ORGANISM: Human
US-09-817-180-3

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Query Match             3.4%;   Score 185.6; DB 4;  Length 15297;
Best Local Similarity   75.0%;  Pred. No. 7.4e-35;
Matches  246;  Conservative   0;  Mismatches  79;  Indels  3;  Gaps  1;

Qy     5092 ATTTAAAATTAAATTCTAAGAAGAGCTGGGTGCCAGTGGCTCACACCTTAATCCCAGCA 5151
            ||| ||||| ||  |||||||||| || || |||||||||||||||||| |||||||||
Db    11802 ATCTGTACAAAAATACAAAAATTAGACTGGGCACGTGCTCACACCTGTAATCCCAGCA 11861

Qy     5152 CTTTGGGAAGCCAAGCCAGGAAGACTGCTTGAAACCAGGAGTTTGAGACCAGCCTGAGCA 5211
            |||||||| ||| |||||||| || |||    |||  ||||||||||||||||||||||||
Db    11862 CTTTGGGAGGCCGAGGCAGGTGGATCACCTGTGGTCAGGAGTTTGAGACCAGCCAGCCA 11921

Qy     5212 ACAAAGCAAGAGACCCCATCTCTACTAAAAATACAAAAATTAGTTGGGCATGTGGCACATG 5271
            |||| |||||||||||||||||||||||||||||||||||||||  ||||||| |||||||
Db    11922 ACATGGTGAAACCCCATCTCTACTAAAAATACAAAAATTAGCCAGGCATGGTGGCACGTG 11981

Qy     5272 CCTGTAGTCCCAGCTACTCCGGGAGGCTGAGATG---GATCATCTGAGCCTCAGGAGGTTG 5328
            ||||||  ||||||||||||  ||||||||||     |||||||||  |||||||||||||
Db    11982 CCTGTAATCCCAGCTACTTGGGAGGCTGAGGCTGCAGTGAGCCGAGATTGCTTGGGACACTG 12041

Qy     5329 AGGCTGCAGTGAGCTGCTGACTGCGCGCCACTGCACTCCAGCCTGGGCAACAAGAGCAAGAC 5388
            ||||||||||||||  ||   |    | ||||||  |||||||  |||||||||| ||||||
Db    12042 AGGCTGCAGTGAGCCGAGATTGTGCCACTGCACTCCAGCCTGGGCGACAAGAGTGAAACT 12101

Qy     5389 CTGTCTTAAAAAAAAAGAAAAAAAAAA 5416
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Db    12102 CCATCTCAAAAAAAACCAAAAAACAAA 12129
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RESULT 3
US-09-128-155-17/c
; Sequence 17, Application US/09128155
; Patent No. 6117654
; GENERAL INFORMATION:
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: 09404/052001
; CURRENT APPLICATION NUMBER: US/09/128,155
; CURRENT FILING DATE: 1998-08-03
; EARLIER APPLICATION NUMBER: US 60/091,650
; EARLIER FILING DATE: 1998-07-02
; EARLIER APPLICATION NUMBER: US 60/054,646
; EARLIER FILING DATE: 1997-08-04
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 17
; LENGTH: 176373
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(176373)
; OTHER INFORMATION: n = A,T,C or G
US-09-128-155-17

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Query Match             3.4%;   Score 185.6; DB 3;  Length 176373;
Best Local Similarity   68.3%;  Pred. No. 2.5e-34;
Matches  302;  Conservative   0;  Mismatches  134;  Indels  6;  Gaps  3;

Qy     5081 CATTCATCATAATTTAAAATTAAAATTAAAATTCTAAGAAGAGGCTGGGTGCAGTGGCTCACACCTT 5140
            ||||||||| |  ||  | ||| | || ||  ||||||| | |||||||||||||||||||||||
Db   115379 CATCTAGTTTGTTTCACTTAAATAGTTATTTGAGGCAGGACTGCTTGAGACCACCGTGCTCACACCCTA 115320

Qy     5141 TAATCCCAGCACTTTGGGAAGCCAAGCCAGGAAGACTGCTTGAAACCAGGAGTTTGAGAC 5200
            |||||||||  ||||||||||||| |||||| ||  |||  |||| ||||||||||||||
Db   115319 TAATCCCAACACTTTGGGAAGCCGAGGCCAGGCGGGGGGGCAGATCGCTTGAGCCCAGGAGTTTGAGAC 115260

Qy     5201 CAGCCTGAGCAACAAGCAACAAAGCAAACCCCATCTCTATAAAAACTAAAAAATTAGTTGGGCAT 5260
            ||||||  ||||  | |||| |||  |  ||||||||||||||| |||||| |||||| ||||||
Db   115259 CAGCCTG--GTAACATGGTGAAACCCCCATCTCTACTAAAAATACAAAAATCAAAAATTAGCAGGGCTT 115201

Qy     5261 GGTGGCACATGCCTGTAGTCCCAGCTACTCCAGGAGGCT----GAGATGGATCATCTGAGC 5316
            |||||||| |||||||  |||||||||||  |||||||     |||| |||||||||||||
Db   115200 GGTGGTGTGCCTGTGGTCCCAGCTACTCACGTAAGGCAGGAGGATCGGGAGAAAGCTTGAGC 115141

Qy     5317 CTCAGGAGGTTGAGGCTGCAGTGAGCTGTGACTGCGCGCCACTGCACTCCAGCCTGGGCAA 5376
            ||||||||   |||||||||||||| ||||||||  |  |||||||||||| |||||  ||
Db   115140 CTCAGGAGGTGGAGGCTGCAGTGAGCTGAGATCAAGCCACTGCACTGCCACTCCAGCCTGAG-CAA 115082

Qy     5377 CAGAGCAAGACCCTGTCTCAAAAAAAAAAAAAAAAAAATTTTTTCTAAGAAGCTGT 5436
            |||| |||| |||||||||| |||||||  ||||| ||  | ||| |  ||| |||
Db   115081 CAGAACAAGATCCTGTCTCAAAAAAAAAAATAAAAAAATAAAAATTATATTATCTTTTTGG 115022

Qy     5437 CCTACAAAGTTGAGCTTTGTTTGTTTTTCATGTGTAATTATTATTATCATCACAAGTTGA 5496
            ||||| || |||||||  |   |    |||||||  ||| |  |||  ||||||||||||
Db   115021 GATTACAAGTTTATATTGTGTCTTTCTCGTGAATTAAACCTTTCATCATCACAAGTTGA 114962

Qy     5497 GATATAATAAATGCTTTCATAT 5518
            ||||||||   ||||| |||||
Db   114961 CTCACAATAATGCATCTTATCT 114940
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RESULT 4
US-09-813-817-3
; Sequence 3, Application US/09813817
; Patent No. 6340583
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL001178
; CURRENT APPLICATION NUMBER: US/09/813,817
; CURRENT FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 59065
; TYPE: DNA
; ORGANISM: Human
US-09-813-817-3

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Query Match             3.2%;   Score 179; DB 4;  Length 59065;
Best Local Similarity   74.3%;  Pred. No. 5.8e-33;
Matches  240;  Conservative   0;  Mismatches  80;  Indels  3;  Gaps  1;

Qy     5097 AAATTAAATTCTAAGAAGAGCTGGGTGGTGCCAGTGGCTCACACCTTAATCCCAGCACTTTG 5156
            ||  ||| | |  |  | | | |||| | ||||||||||||||||| |||||||||||||||
Db    32283 ACATTTAATCCTCACTGCAGGCCAGGCATAGTGCTCACACCTGTAATCCCAGCACTTCG 32342

Qy     5157 GGAAGCCAAGGCAGGAGAGACTGCTTGAAACCAGGAGTTTGAGACCAGCCTGAGCAACAAA 5216
            ||| ||||||||||  || || ||| |||  | |||||| |||||||||||| ||||||
Db    32343 GGAGGCCAAGGCGGCGGAGATCACTTGAGGTCGGGAGTTCGAGACCAGCCTCACCAACATG 32402
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; GENERAL INFORMATION:
; APPLICANT: Mollenhauer, Jan
; TITLE OF INVENTION: Protein Containing an SRCR Domain
; FILE REFERENCE: 4121-108
; CURRENT APPLICATION NUMBER: US/09/341,587
; CURRENT FILING DATE: 1999-08-31
; EARLIER APPLICATION NUMBER: PCT/DE98/00096
; EARLIER FILING DATE: 1998-01-09
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 3166
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-341-587-8

Query Match   3.2%;   Score 177.6; DB 4;   Length 3166;
Best Local Similarity   76.9%; Pred. No. 2.9e-33;
Matches 243; Conservative   0; Mismatches 69; Indels   4; Gaps   2;

Qy   5102 AAATTCTAAGAAGAGAGGCTGGGTGCAGTGGCTCACACCTTTAATCCCAGCACTTTGGGAAG 5161
             ||||||||||||||||||||| ||||||||||||||||||||||||||||||||||||||||
Db   888 AAGGTCAGAAAAGAGAGGCCGGGGTGCAGTGGCTCACCACCTGTAATCCCGGCACTTTGGGAGG 829

Qy   5162 CCAAGGCAGGAGGACTGCTTGAAACCAGGAGTTTGAGACCAGCCTGAGCAACAAAGCAAG 5221
             |||||||||||||||||| ||||||||||||||||||||||||||||||||||||||||
Db   828 CCTAGGCAGGCAGATCACTTGAAGTCAGGAGTTTGAGACCAGCCTGGCCAACATGATGAA 769

Qy   5222 ACCCCATCTCTATAAAAATAAAAAAATTAGTTGGGCATGTGGCACATGCCTGTAGTCC 5281
             ||||||||||||||||||||||||||||||||| ||||||||||||||||||||||||
Db   768 ACCCCGTCTCTACTAAAAATACAAAACTTAGTCTGGGCATGGTGGCATGCATGCCTGTCTGTAAATCT 709

Qy   5282 CAGCTACTCCCAGAGGCTGAGATGATCA---TCTGAGCCTCAGGAGGTTGAGCGTGCCAGT 5338
             |||||||||||||||||||||||||||| |||||||||||||||||||||||||||||
Db   708 TAGCTACTAGGGAGGCTGAGGCAGAGAATCGCTTGAACCCGGGAGGACGGAGGTTGCAGT 649

Qy   5339 GAGCTGTGACTGCGCCACTCCAGTCTGAGCCTCAAGCCTGG-CAACAAAGCAAGACACTGTCTCAA 5398
             ||||||||||||||||||||||||||||||||||||||||| |||||||||||||||||||||||
Db   648 GAGTTGAGATTGTGCCACTGCACTGCCTCCAAGCCTGGG-CAACAAAGCAAGACACTGTCTCAA 590

Qy   5399 AAAAAAAAGAAAAAAA 5414
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Db   589 AAAAAAAAAAAAAA 574

RESULT 7
US-09-750-580-1
; Sequence 1, Application US/09750580
; Patent No. 645280
; GENERAL INFORMATION:
; APPLICANT: Yen, Frances
; APPLICANT: Denison, Blake
; APPLICANT: Bour, Barbara
; APPLICANT: Bihain, Bernard
; APPLICANT: Dumas Milne Edwards, Jean-Baptiste
; APPLICANT: Duclert, Aymeric
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Ebbets-Reed, Dana
; APPLICANT: Salter-Cid, Luisa
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITING NEOPLASTIC CELL GROWTH
; FILE REFERENCE: 89.US2.CIP
; CURRENT APPLICATION NUMBER: US/09/750,580
; CURRENT FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: US 09/599,362
; PRIOR FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: PCT/IB00/0101
; PRIOR FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: PCT/IB99/02058
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: US 49/469,099
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: US 60/113,686
; PRIOR FILING DATE: 1998-12-22

Qy   5217 GCAAGACCCCATCTCTATAAAAACTAAAAAAATTAGTTGGGCATGCTGGCACATGCCTGT 5276
             |||||||||||||| |||||| |||||||||||||||||||||||| ||
Db   32403 GGGAAACCCCGTCTCTACTAAAAATAGAAAAATTAGCGCGGGTGTGGCATGCGCCAGT 32462

Qy   5277 AGTCCCAGCTACTCCAGAGGCTGAGATGG---ATCATCTGAGCCTCAGGAGGTTGAGGCT 5333
             |||||||||||||||||||||||||||| |||||||||||||||||||||||||||||
Db   32463 AATCCCAGCTACTCCAGGAGGCTGAGGTGGGAAATCACTTGAACTCGGGAAGCAGAGGTT 32522

Qy   5334 GCAGTGAGCTGTGACTGCGCCACTGCACTCCAGTCTGGGACAACAGAGCAAGACCCTGTC 5393
             ||||||||||||||||||||||||||||||||||| |||||||||||||||||||||||||
Db   32523 GCAGTGAGCCGAGATTGTGCCACTGCACTCCAGCCTGGGCGATAAGAGCAAAATTCCATC 32582

Qy   5394 TTAAAAAAAAGAAAAAAAAA 5416
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Db   32583 TCAAAAAAAAAAAGAAAAAGAA 32605

RESULT 5
US-09-978-197-3
; Sequence 3, Application US/09978197
; Patent No. 6403353
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL00117BDIV
; CURRENT APPLICATION NUMBER: US/09/978,197
; CURRENT FILING DATE: 2001-10-17
; PRIOR APPLICATION NUMBER: 09/813,817
; PRIOR FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 59065
; TYPE: DNA
; ORGANISM: Human
US-09-978-197-3

Query Match   3.2%;   Score 179; DB 4;   Length 59065;
Best Local Similarity   74.3%; Pred. No. 5.8e-33;
Matches 240; Conservative   0; Mismatches 80; Indels   3; Gaps   1;

Qy   5097 AAATTAAATTCTAAGAAGAGAGGCTGGGTGCAGTGGCTCACACCTTTAATCCCAGCACTTTG 5156
             || ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   32283 ACATTTAATCCTCACTGCAGGAGCCAGGCCATAGTGCGTCACACCTGTAATCGCAGCACTTCG 32342

Qy   5157 GGAAGGCCAAGGCAGGAGGACTGCTTGAAACCAGGAGTTTGAGACCAGCCTGAGCAACAAA 5216
             |||||||||||||||||| |||||||||||||||||||||||||| |||||
Db   32343 GGAGGCCAAGGCAGGCGGATCACTTGAGGTCAGGAGTTCGAGACCAGCCTACCAACATG 32402

Qy   5217 GCAAGACCCCATCTCTATAAAAACTAAAAAAATTAGTTGGGCATGCTGGCACATGCCTGT 5276
             |||||||||||||| |||||| ||||||||||||||||||||||||| ||
Db   32403 GGGAAACCCCGTCTCTACTAAAAATAGAAAAATTAGCGCGGGTGTGGCATGCGCCAGT 32462

Qy   5277 AGTCCCAGCTACTCCAGAGGCTGAGATGG---ATCATCTGAGCCTCAGGAGGTTGAGGCT 5333
             |||||||||||||||||||||||||||| |||||||||||||||||||||||||||||
Db   32463 AATCCCAGCTACTCCAGGAGGCTGAGGTGGGAAATCACTTGAACTCGGGAAGCAGAGGTT 32522

Qy   5334 GCAGTGAGCTGTGACTGCGCCACTGCACTCCAGTCTGGGACAACAGAGCAAGACCCTGTC 5393
             ||||||||||||||||||||||||||||||||||| |||||||||||||||||||||||||
Db   32523 GCAGTGAGCCGAGATTGTGCCACTGCACTCCAGCCTGGGCGATAAGAGCAAAATTCCATC 32582

Qy   5394 TTAAAAAAAAGAAAAAAAAA 5416
             ||||||||||||||||||
Db   32583 TCAAAAAAAAAAAGAAAAAGAA 32605

RESULT 6
US-09-341-587-8/c
; Sequence 8, Application US/09341587
; Patent No. 6346606
;

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;   PRIOR APPLICATION NUMBER: US 60/141,032
;   PRIOR FILING DATE: 1999-06-25
;   NUMBER OF SEQ ID NOS: 6
;   SOFTWARE: Patent.pm
;   SEQ ID NO 1
;   LENGTH: 81001
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 10946..12946
;   OTHER INFORMATION: 5'regulatory region
;   NAME/KEY: exon
;   LOCATION: 12947..12958
;   OTHER INFORMATION: exon 1
;   NAME/KEY: exon
;   LOCATION: 13470..13526
;   OTHER INFORMATION: exon 2
;   NAME/KEY: exon
;   LOCATION: 13641..13752
;   OTHER INFORMATION: exon 3
;   NAME/KEY: exon
;   LOCATION: 14271..15968
;   OTHER INFORMATION: exon 4
;   NAME/KEY: misc_feature
;   LOCATION: 15969..17969
;   OTHER INFORMATION: 3'regulatory region
;   NAME/KEY: allele
;   LOCATION: 1239
;   OTHER INFORMATION: 20-828-311    : polymorphic base C or T
;   NAME/KEY: allele
;   LOCATION: 12347
;   OTHER INFORMATION: 17-42-319     : polymorphic base C or T
;   NAME/KEY: allele
;   LOCATION: 15241
;   OTHER INFORMATION: 17-41-250     : polymorphic base C or T
;   NAME/KEY: allele
;   LOCATION: 42218
;   OTHER INFORMATION: 20-841-149    : polymorphic base A or G
;   NAME/KEY: allele
;   LOCATION: 45442
;   OTHER INFORMATION: 20-842-115    : polymorphic base A or G
;   NAME/KEY: allele
;   LOCATION: 77058
;   OTHER INFORMATION: 20-853-415    : polymorphic base C or T
;   NAME/KEY: primer_bind
;   LOCATION: 929..949
;   OTHER INFORMATION: 20-828.pu
;   NAME/KEY: primer_bind
;   LOCATION: 1357..1377
;   OTHER INFORMATION: 20-828.rp     complement
;   NAME/KEY: primer_bind
;   LOCATION: 12029..12050
;   OTHER INFORMATION: 17-42.pu
;   NAME/KEY: primer_bind
;   LOCATION: 12581..12603
;   OTHER INFORMATION: 17-42.rp    complement
;   NAME/KEY: primer_bind
;   LOCATION: 14992..15012
;   OTHER INFORMATION: 17-41.pu
;   NAME/KEY: primer_bind
;   LOCATION: 15460..15482
;   OTHER INFORMATION: 17-41.rp    complement
;   NAME/KEY: primer_bind
;   LOCATION: 42070..42090
;   OTHER INFORMATION: 20-841.pu
;   NAME/KEY: primer_bind
;   LOCATION: 42572..42591
;   OTHER INFORMATION: 20-841.rp     complement
;   NAME/KEY: primer_bind
;   LOCATION: 45328..45347
;   OTHER INFORMATION: 20-842.pu
;   NAME/KEY: primer_bind
;   LOCATION: 45863..45883
;   OTHER INFORMATION: 20-842.rp     complement
;   NAME/KEY: primer_bind
;   LOCATION: 76644..76664
;   OTHER INFORMATION: 20-853.pu
;   NAME/KEY: primer_bind
;   LOCATION: 77166..77185
;   OTHER INFORMATION: 20-853.rp     complement
;   NAME/KEY: primer_bind
;   LOCATION: 1220..1238
;   OTHER INFORMATION: 20-828-311.mis
;   NAME/KEY: primer_bind
;   LOCATION: 1240..1258
;   OTHER INFORMATION: 20-828-311.mis complement
;   NAME/KEY: primer_bind
;   LOCATION: 12328..12346
;   OTHER INFORMATION: 17-42-319.mis
;   NAME/KEY: primer_bind
;   LOCATION: 12348..12366
;   OTHER INFORMATION: 17-42-319.mis complement
;   NAME/KEY: primer_bind
;   LOCATION: 15222..15240
;   OTHER INFORMATION: 17-41-250.mis
;   NAME/KEY: primer_bind
;   LOCATION: 15242..15260
;   OTHER INFORMATION: 17-41-250.mis complement
;   NAME/KEY: primer_bind
;   LOCATION: 42199..42217
;   OTHER INFORMATION: 20-841-149.mis
;   NAME/KEY: primer_bind
;   LOCATION: 42219..42237
;   OTHER INFORMATION: 20-841-149.mis complement
;   NAME/KEY: primer_bind
;   LOCATION: 45423..45441
;   OTHER INFORMATION: 20-842-115.mis
;   NAME/KEY: primer_bind
;   LOCATION: 45443..45461
;   OTHER INFORMATION: 20-842-115.mis complement
;   NAME/KEY: primer_bind
;   LOCATION: 77039..77057
;   OTHER INFORMATION: 20-853-415.mis
;   NAME/KEY: primer_bind
;   LOCATION: 77059..77077
;   OTHER INFORMATION: 20-853-415.mis complement
;   NAME/KEY: misc_binding
;   LOCATION: 1227..1251
;   OTHER INFORMATION: 20-828-311.probe
;   NAME/KEY: misc_binding
;   LOCATION: 12335..12359
;   OTHER INFORMATION: 17-42-319.probe
;   NAME/KEY: misc_binding
;   LOCATION: 15229..15253
;   OTHER INFORMATION: 17-41-250.probe
;   NAME/KEY: misc_binding
;   LOCATION: 42206..42230
;   OTHER INFORMATION: 20-841-149.probe
;   NAME/KEY: misc_binding
;   LOCATION: 45430..45454
;   OTHER INFORMATION: 20-842-115.probe
;   NAME/KEY: misc_binding
;   LOCATION: 77046..77070
;   OTHER INFORMATION: 20-853-415.probe
US-09-750-580-1

Query Match             3.2%;  Score 176.8;  DB 4;  Length 81001;
Best Local Similarity  77.2%;  Pred. No. 2.3e-32;
Matches 241;  Conservative   0;  Mismatches  67;  Indels   4;  Gaps   2;

Qy   5098  AATTAAATTCTAAGAAGAGAGGCTGGGTGCAGTGCTCACACCTTTAATCCAGCACTTTGG  5157
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Db  69814  AATTAAAGAGAAAGTGGGCTGGGCAGTGGCTCATGCATGTGATCCTAGTGCTTTGG  69873

Qy   5158  GAAGCCAAGGCAGGAGGAAGACTGCTTGAAACCAGGAGTTTGAGACCAGCCTGAGCAACAAAG  5217
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Db    69874  ||| |||  |||  ||| ||  |||||||  ||||||||  |||||||||  ||||||||  ||||||  |||||||||
             GAGGCTGAGGTGGGTAGGTTGCTTGAGCCCAGAGTTTGAGCCCAGAGTTGACCAGCCTGGGCAACATAG  69933

Qy    5218  CAAGACCCCATCTCTATAAAAACTAAAAAAAATTAGTTGGGCATGGTGGCACATGCCTGTA  5277
            ||||||||||||||||||||||||||||| |||||||||||||||||||||
Db    69934  TGAGACCCTTGTCTCTACATAAGTTAAAAATTAGCTGGGCATGGTGGCACCCACCTGTA  69993

Qy    5278  GTCCCAGCTACTCCAGAGGCTGAGATGGA---TCATCTGAGCCTCAGGAGGTTGAGGCTG  5334
            |||||||||||||||| |||||||||       |||||||||| ||||||||||||
Db    69994  GCCCCAGCTACTTGAGAGGCTGAGGTGGAAGGATCACTGAGTCTGGGAGGTTGAGGCTG  70053

Qy    5335  .CAGTGAGCTGTGACTGCGCCACTGCCACTCCAGTCTGGGACAACAGAGCAAGACCCTGTCT  5394
            ||||||||| |||||||||||||||||||||||||||  ||||  ||||||||||
Db    70054  CAGTGAGCTGTGATTGAGCCACTGCCACTCCACTCAGCCAGGG-TGACAGAGTAAGACTCTGTCT  70112

Qy    5395  TAAAAAAAAAA  5406
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Db    70113  CAAAAAAAAAA  70124


RESULT 8
US-08-480-784-20/c
; Sequence 20, Application US/08480784
; Patent No. 5693473
; GENERAL INFORMATION:
;   APPLICANT:  Skolnick, Mark H.
;   APPLICANT:  Goldgar, David E.
;   APPLICANT:  Miki, Yoshio
;   APPLICANT:  Swenson, Jeff
;   APPLICANT:  Kamb, Alexander
;   APPLICANT:  Harshman, Keith D.
;   APPLICANT:  Shattuck-Eidens, Donna M.
;   APPLICANT:  Tavtigian, Sean V.
;   APPLICANT:  Wiseman, Roger W.
;   APPLICANT:  Futreal, P. Andrew
;   TITLE OF INVENTION:  17q-Linked Breast and Ovarian Cancer
;   TITLE OF INVENTION:  Susceptibility Gene
;   NUMBER OF SEQUENCES:  85
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  Venable, Baetjer, Howard & Civiletti, LLP
;     STREET:  1201 New York Avenue, N.W., Suite 1000
;     CITY:  Washington
;     STATE:  DC
;     COUNTRY:  USA
;     ZIP:  20005
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE:  Floppy disk
;     COMPUTER:  IBM PC compatible
;     OPERATING SYSTEM:  PC-DOS/MS-DOS
;     SOFTWARE:  PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER:  US/08/480,784
;     FILING DATE:
;     CLASSIFICATION:  435
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 08/409,305
;     FILING DATE:  24-MAR-1995
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 08/348,824
;     FILING DATE:  29-NOV-1994
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 08/308,104
;     FILING DATE:  16-SEP-1994
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 08/300,266
;     FILING DATE:  02-SEP-1994
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 08/289,221
;     FILING DATE:  12-AUG-1994
;   ATTORNEY/AGENT INFORMATION:
;     NAME:  Ihnen, Jeffrey L.
;     REGISTRATION NUMBER:  28,957
;     REFERENCE/DOCKET NUMBER:  24884-109347
```

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;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE:  202-962-4810
;     TELEFAX:  202-962-8300
; INFORMATION FOR SEQ ID NO:  20:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH:  6769 base pairs
;     TYPE:  nucleic acid
;     STRANDEDNESS:  double
;     TOPOLOGY:  linear
;   MOLECULE TYPE:  DNA (genomic)
;   HYPOTHETICAL:  NO
;   ANTI-SENSE:  NO
;   ORIGINAL SOURCE:
;     ORGANISM:  Homo sapiens
US-08-480-784-20

Query Match            3.2%;  Score 176.2;  DB 1;  Length 6769;
Best Local Similarity  75.9%;  Pred. No. 9.4e-33;
Matches  245;  Conservative  0;  Mismatches  73;  Indels  5;  Gaps  2;

Qy    5098  AATTAAATTCTAAGAGAGGCTGGGTGCAGTGCGTCACACCTTAATCCCAGCACTTTGG  5157
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Db    6559  AATTAAAGTAAAGGGCAGGCCAGGCACAGTGGCTCAAGCCTGTAACTGCAGCACTTTGG  6500

Qy    5158  GAAGCCAAGCGAGGAAGACTGCTTGAAACCAGAGTTTGAGACCAGCCTGAGCAACAAAG  5217
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Db    6499  GAGGCTGAAGTGGGGCAGGTGCTTGAGTCCAGAGTTCAGGAGTTGAGACCAGCCTCGGTAACATGG  6440

Qy    5218  CAAGACCCCATCTCTATAAAAACTAAAAAAAATTAGTTGGGCATGGTGGCACATGCCTGTA  5277
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Db    6439  TGAAACCCCATCTCTATAAAACCACAAAAAAATTAACCGGGTGGTGGTGGCATGCGCCTGTA  6380

Qy    5278  GTCCCAGCTACTCCAGAGCTGA---GATGGATCATCTGAGCCTCAGGAGGTTGAGGCT  5333
            ||||||||||| |||||||||    |||| ||| ||||||||||||||||||||||
Db    6379  GTCCCAGCTACTCAGGAGGCTGAGTGGGAGGATAGCTTGAGCCTTTGAGGGTTGGAGGTT  6320

Qy    5334  GCAGTGAGCTGTGACTGCGCCACTGCCACTCCAGTCTGGGACAACAGAGCAAGACCCTGTC  5393
            ||||||||| ||| ||||| |||||||||||||||||||||| ||||||||||||||||
Db    6319  GCAGTGAGCCAAGATTGCATCACTGCACTCCAGCCTGGG-CAACAGAGTGAGACCCCATC  6261

Qy    5394  TTAAAAAAAAGAAAAAAAA  5416
            ||||||||  ||| ||||||
Db    6260  TCAAAAAAAAACAAACAAACAAA  6238


RESULT 9
US-08-483-553-20/c
; Sequence 20, Application US/08483553
; Patent No. 5709999
; GENERAL INFORMATION:
;   APPLICANT:  Skolnick, Mark H.
;   APPLICANT:  Goldgar, David E.
;   APPLICANT:  Miki, Yoshio
;   APPLICANT:  Swenson, Jeff
;   APPLICANT:  Kamb, Alexander
;   APPLICANT:  Harshman, Keith D.
;   APPLICANT:  Shattuck-Eidens, Donna M.
;   APPLICANT:  Tavtigian, Sean V.
;   APPLICANT:  Wiseman, Roger W.
;   APPLICANT:  Futreal, P. Andrew
;   TITLE OF INVENTION:  17q-Linked Breast and Ovarian Cancer
;   TITLE OF INVENTION:  Susceptibility Gene
;   NUMBER OF SEQUENCES:  85
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  Venable, Baetjer, Howard & Civiletti, LLP
;     STREET:  1201 New York Avenue, N.W., Suite 1000
;     CITY:  Washington
;     STATE:  DC
;     COUNTRY:  USA
;     ZIP:  20005
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE:  Floppy disk
;     COMPUTER:  IBM PC compatible
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;  Patent No. 5710001
;  GENERAL INFORMATION:
;    APPLICANT:  Shattuck-Eidens, Donna M.
;    APPLICANT:  Simard, Jacques
;    APPLICANT:  Emi, Mitsuru
;    APPLICANT:  Nakamura, Yusuke
;    APPLICANT:  Durocher, Francine
;    TITLE OF INVENTION:  17q-linked Breast and Ovarian Cancer
;    TITLE OF INVENTION:  Susceptibility Gene
;    NUMBER OF SEQUENCES:  85
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Venable, Baetjer, Howard & Civiletti, LLP
;      STREET:  1201 New York Avenue, N.W., Suite 1000
;      CITY:  Washington
;      STATE:  DC
;      COUNTRY:  USA
;      ZIP:  20005
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0,  Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/487,002
;      FILING DATE:
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/409,305
;      FILING DATE:  24-MAR-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/348,824
;      FILING DATE:  29-NOV-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/308,104
;      FILING DATE:  16-SEP-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/300,266
;      FILING DATE:  02-SEP-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/289,221
;      FILING DATE:  12-AUG-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ihnen, Jeffrey L.
;      REGISTRATION NUMBER:  28,957
;      REFERENCE/DOCKET NUMBER:  24884-109347
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-962-4810
;      TELEFAX:  202-962-8300
;  INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  6769 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
US-08-487-002-20

Query Match             3.2%;   Score 176.2;  DB 1;  Length 6769;
Best Local Similarity  75.9%;   Pred. No. 9.4e-33;
Matches  245;   Conservative    0;   Mismatches   73;   Indels    5;   Gaps    2;

Qy   5098 AATTAAATTCTAAGAAGAGAGGCTGGGTGCAGTGGCTCACACCTTTAATCCCAGCACTTTGG 5157
          |||||||  ||||||||  |||||||||||||||||||  ||||||||||
Db   6559 AATTAAAAGTAAAGGGCAGGCCAGGCCACAGTGGCTCAAGCCTGTAACTGCAGCACTTTGG 6500

Qy   5158 GAAGCCAAGGCAGGAAGACTGCTTGAAACCAGAGTTTGAGACCAACAAAG 5217
          ||  |||    ||||    |||||||||  ||||||||||||||
Db   6499 GAGGCTGAAGTGGGCGACAGTGCTTGAGACCTGGTAACATGG 6440
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OPERATING SYSTEM:  PC-DOS/MS-DOS
SOFTWARE:  PatentIn Release #1.0,  Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER:  US/08/483,553
FILING DATE:
CLASSIFICATION:  435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:  US 08/409,305
FILING DATE:  24-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER:  US 08/348,824
FILING DATE:  29-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER:  US 08/308,104
FILING DATE:  16-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER:  US 08/300,266
FILING DATE:  02-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER:  US 08/289,221
FILING DATE:  12-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME:  Ihnen, Jeffrey L.
REGISTRATION NUMBER:  28,957
REFERENCE/DOCKET NUMBER:  24884-109347
TELECOMMUNICATION INFORMATION:
TELEPHONE:  202-962-4810
TELEFAX:  202-962-8300
INFORMATION FOR SEQ ID NO:  20:
SEQUENCE CHARACTERISTICS:
LENGTH:  6769 base pairs
TYPE:  nucleic acid
STRANDEDNESS:  double
TOPOLOGY:  linear
MOLECULE TYPE:  DNA (genomic)
HYPOTHETICAL:  NO
ANTI-SENSE:  NO
ORIGINAL SOURCE:
ORGANISM:  Homo sapiens
US-08-483-553-20

Query Match             3.2%;   Score 176.2;  DB 1;  Length 6769;
Best Local Similarity  75.9%;   Pred. No. 9.4e-33;
Matches  245;   Conservative    0;   Mismatches   73;   Indels    5;   Gaps    2;

Qy   5098 AATTAAATTCTAAGAAGAGAGGCTGGGTGCAGTGGCTCACACCTTTAATCCCAGCACTTTGG 5157
Db   6559 AATTAAAAGTAAAGGGCAGGCCAGGCCACAGTGGCTCAAGCCTGTAACTGCAGCACTTTGG 6500

Qy   5158 GAAGCCAAGGCAGGAAGACTGCTTGAAACCAGAGTTTGAGACCAACAAAG 5217
Db   6499 GAGGCTGAAGTGGGCGACAGTGCTTGAGACCTGGTAACATGG 6440

Qy   5218 CAAGACCCCATCTCTATAAAAACTAAAAAAATTAGTTGGGCATGGTGGCACATGCCTGTA 5277
Db   6439 TGAAACCCCATCTCTATAAAAACCACAAAAAATTAACCGGGTGTGGTGGCATGCGCCTGTA 6380

Qy   5278 GTCCCAGCTACTCGAGGCTGA----GATGGATCATCTGAGCCTCAGGAGGTTGAGGCT 5333
Db   6379 GTCCCAGCTACTCAGGAGGCTGAAGTGGGAGGATAGCTTGAGCCTTGGAGGTGGAGGTT 6320

Qy   5334 GCAGTGAGCGTGTGACTGCGCCACTGCACTCCAGTCTGGGACAAACAGACAAGACCCTGTC 5393
Db   6319 GCAGTGAGCCAAGATTGCATCACTGCACTCCAGCCTGGG-CAACAGAGTGAGACCCCATC 6261

Qy   5394 TTAAAAAAAAAAAAGAAAAAAAAAAA 5416
Db   6260 TCAAAAAAAAAAACAAACAAACAAA 6238

RESULT 10
US-08-487-002-20/c
; Sequence 20, Application US/08487002
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INFORMATION FOR SEQ ID NO: 20:
  SEQUENCE CHARACTERISTICS:
    LENGTH: 6769 base pairs
    TYPE: nucleic acid
    STRANDEDNESS: double
    TOPOLOGY: linear
  MOLECULE TYPE: DNA (genomic)
  HYPOTHETICAL: NO
  ANTI-SENSE: NO
  ORIGINAL SOURCE:
    ORGANISM: Homo sapiens
US-08-483-554B-20

Query Match   3.2%; Score 176.2; DB 1; Length 6769;
Best Local Similarity 75.9%; Pred. No. 9.4e-33;
Matches 245; Conservative   0; Mismatches 73; Indels   5; Gaps   2;

Qy   5098 AATTAAAATTCTAAGAAGAGGCTGGGTGCAGTGGCTCACACCTTTAATCCCAGCACTTTGG 5157
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Db   6559 AATTAAAAGTAAAGGGCAGGCCAGGCACAGTGGCTCAAGCCTGTAACTGCAGCACTTTGG 6500

Qy   5158 GAAGCCAAGGCAGGAAGACTGCTTGAAACCAGGAGTTTGAGACCAGCCTGAGCAACAAAG 5217
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Db   6499 GAGGCTGAAGTGGGCAGACTGCTTGAGTCCAGGAGTTTGAGACCAGCCTCGGTAACATGG 6440

Qy   5218 CAAGACCCCATCTCTATAAAAAATTAAAAAATTAAAAAAATTAGTTGGGCATGGTGGCGTGTA 5277
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Db   6439 TGAAACCCCATCTCTATAAAAACCACAAAAAATTAACCGGGGTGTGGTGGCATGCGCCTGTA 6380

Qy   5278 GTCCCAGCTACTCCAGAGGCTGA---GATGGATCATCTGAGCCTCAGGAGGTTGAGGCT 5333
          ||||||||||||||||||||||| |||||||||||||||||||||||||||||||||
Db   6379 GTCCCAGCTACTCAGGAGGCTGAAGTGGGAGGGATTAGTTTGGGAGGTGGAGGTT 6320

Qy   5334 GCAGTGAGCTGTGACTGGGCCCACTGCACTCTGGACAACAGAGCAAGACCCTGTC 5393
          ||||||||| || ||| ||| |||||||||||||||||||||||||||||||||
Db   6319 GCAGTGAGCCAAGATTGCATCACTGCACTCCAGCCTGGG-CAACAGAGTGAGACCCCATC 6261

Qy   5394 TTAAAAAAAAAGAGAAAAAAAA 5416
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Db   6260 TCAAAAAAAAACAAACAAACAAA 6238

RESULT 11
US-08-483-554B-20/c
; Sequence 20, Application US/08483554B
; Patent No. 5747282
; GENERAL INFORMATION:
; APPLICANT: Skolnick, Mark H.
; APPLICANT: Goldgar, David E.
; APPLICANT: Miki, Yoshio
; APPLICANT: Swenson, Jeff
; APPLICANT: Kamb, Alexander
; APPLICANT: Harshman, Keith D.
; APPLICANT: Shattuck-Eidens, Donna M.
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Wiseman, Roger W.
; APPLICANT: Futreal, P. Andrew
; TITLE OF INVENTION: 17q-Linked Breast and Ovarian Cancer
; TITLE OF INVENTION: Susceptibility Gene
; NUMBER OF SEQUENCES: 85
; CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
;   STREET: 1201 New York Avenue, N.W., Suite 1000
;   CITY: Washington
;   STATE: DC
;   COUNTRY: USA
;   ZIP: 20005
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/483,554B
;   FILING DATE: 07-JUN-1995
;   CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/409,305
;   FILING DATE: 24-MAR-1995
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/348,824
;   FILING DATE: 29-NOV-1994
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/308,104
;   FILING DATE: 16-SEP-1994
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/300,266
;   FILING DATE: 02-SEP-1994
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/289,221
;   FILING DATE: 12-AUG-1994
; ATTORNEY/AGENT INFORMATION:
;   NAME: Ihnen, Jeffrey L.
;   REGISTRATION NUMBER: 28,957
;   REFERENCE/DOCKET NUMBER: 24884-109347
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 202-962-4810
;   TELEFAX: 202-962-8300

RESULT 12
US-08-488-011B-20/c
; Sequence 20, Application US/08488011B
; Patent No. 5753441
; GENERAL INFORMATION:
; APPLICANT: Skolnick, Mark H.
; APPLICANT: Goldgar, David E.
; APPLICANT: Miki, Yoshio
; APPLICANT: Swenson, Jeff
; APPLICANT: Kamb, Alexander
; APPLICANT: Harshman, Keith D.
; APPLICANT: Shattuck-Eidens, Donna M.
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Wiseman, Roger W.
; APPLICANT: Futreal, P. Andrew
; TITLE OF INVENTION: 17q-Linked Breast and Ovarian Cancer
; TITLE OF INVENTION: Susceptibility Gene
; NUMBER OF SEQUENCES: 85
; CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
;   STREET: 1201 New York Avenue, N.W., Suite 1000
;   CITY: Washington
;   STATE: DC
;   COUNTRY: USA
;   ZIP: 20005
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:

APPLICANT: Goldgar, David E.
APPLICANT: Miki, Yoshio
APPLICANT: Swenson, Jeff
APPLICANT: Kamb, Alexander
APPLICANT: Harshman, Keith D.
APPLICANT: Shattuck-Eidens, Donna M.
APPLICANT: Tavtigian, Sean V.
APPLICANT: Wiseman, Roger W.
APPLICANT: Futreal, P. Andrew
TITLE OF INVENTION: 17q-Linked Breast and Ovarian Cancer
TITLE OF INVENTION: Susceptibility Gene
NUMBER OF SEQUENCES: 85
CORRESPONDENCE ADDRESS:
   ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
   STREET: 1201 New York Avenue, N.W., Suite 1000
   CITY: Washington
   STATE: DC
   COUNTRY: USA
   ZIP: 20005
COMPUTER READABLE FORM:
   MEDIUM TYPE: Floppy disk
   COMPUTER: IBM PC compatible
   OPERATING SYSTEM: PC-DOS/MS-DOS
   SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
   APPLICATION NUMBER: US/08/850,727
   FILING DATE:
   CLASSIFICATION:
PRIOR APPLICATION DATA:
   APPLICATION NUMBER: US 08/483,554
   FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
   APPLICATION NUMBER: US 08/348,824
   FILING DATE: 29-NOV-1994
PRIOR APPLICATION DATA:
   APPLICATION NUMBER: US 08/308,104
   FILING DATE: 16-SEP-1994
PRIOR APPLICATION DATA:
   APPLICATION NUMBER: US 08/300,266
   FILING DATE: 02-SEP-1994
PRIOR APPLICATION DATA:
   APPLICATION NUMBER: US 08/289,221
   FILING DATE: 12-AUG-1994
ATTORNEY/AGENT INFORMATION:
   NAME: Ihnen, Jeffrey L.
   REGISTRATION NUMBER: 28,957
   REFERENCE/DOCKET NUMBER: 24884-109347
TELECOMMUNICATION INFORMATION:
   TELEPHONE: 202-962-4810
   TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
   LENGTH: 6769 base pairs
   TYPE: nucleic acid
   STRANDEDNESS: double
   TOPOLOGY: linear
   MOLECULE TYPE: DNA (genomic)
   HYPOTHETICAL: NO
   ANTI-SENSE: NO
   ORIGINAL SOURCE:
   ORGANISM: Homo sapiens
US-08-850-727-20

Query Match   3.2%;   Score 176.2; DB 4; Length 6769;
Best Local Similarity 75.9%;   Pred. No. 9.4e-33;
Matches 245; Conservative   0; Mismatches 73; Indels   5; Gaps   2;

Qy   5098 AATTAAATTCTAAGAAGAGGCTGCAGTGGCTCACACCTTTAATCCCAGCACTTTGG 5157
          |||||| ||||||||||||| |||| ||||||||||||||||||||||||||||||
Db   6559 AATTAAAGTAAAGGCAGGCCAGGCACAGTGGCTCAAGCCTGTAACTGCAGCACTTTGG 6500

Qy   5158 GAGGCCAAGGCAGGAGAACTGCTTGAACCAGGAGTTTGAGACCAGCCTGAGCAACAAAG 5217
          |||| || |||||||||||||||||||||||||||||||||||||||||||||||||
Db   GAGGCCAAGGCAGGAGAACTGCTTGAACCAGGAGTTTGAGACCAGCCTGAGCAACAAAG 5217

Qy   5158 GAGGCCAAGGCAGGAGAACTGCTTGAACCAGGAGTTTGAGACCAGCCTGAGCAACAAAG 5217
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   6499 GAGGCTGAAGTGGGCAGACTGCTTGAGTCCAGGAGTTTGAGACCAGCCTCGGTAACATGG 6440

Qy   5218 CAAGACCCCATCTCTATAAAAATAAAAAATAAAAATTAGTTGGGCATGGTGCGCACATGCCTGTA 5277
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Db   6439 TGAAACCCCATCTCTATAAAAATAAAAAATAAAAATTAACCGGGTGTGGTGGCATGCGCCTGTA 6380

Qy   5278 GTCCCAGCTACTCCAGAGGCTGA---GATGGATCATCTGAGGCTCAGGAGTTGAGGCT 5333
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Qy   5334 GCAGTGAGCTGTGACTGCGCCACTGCACTCCAGTCTGGACACAGAGCAAGACCCTGTC 5393
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Db   6319 GCAGTGGAGCCAAGATTGCATCACTGCACTCCAGCCTGGG-CAACAGAGTGAGACCCCATC 6261

Qy   5394 TTAAAAAAAAGAAAAAAAA 5416
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Db   6260 TCAAAAAAAAACAACAAACAA 6238

RESULT 13
US-08-850-727-20/c
; Sequence 20, Application US/08850727
; Patent No. 6162897
; GENERAL INFORMATION:
;   APPLICANT: Skolnick, Mark H.

APPLICATION NUMBER: US/08/488,011B
   FILING DATE: 07-JUN-1995
   CLASSIFICATION: 435
PRIOR APPLICATION DATA:
   APPLICATION NUMBER: US 08/409,305
   FILING DATE: 24-MAR-1995
PRIOR APPLICATION DATA:
   APPLICATION NUMBER: US 08/348,824
   FILING DATE: 29-NOV-1994
PRIOR APPLICATION DATA:
   APPLICATION NUMBER: US 08/308,104
   FILING DATE: 16-SEP-1994
PRIOR APPLICATION DATA:
   APPLICATION NUMBER: US 08/300,266
   FILING DATE: 02-SEP-1994
PRIOR APPLICATION DATA:
   APPLICATION NUMBER: US 08/289,221
   FILING DATE: 12-AUG-1994
ATTORNEY/AGENT INFORMATION:
   NAME: Ihnen, Jeffrey L.
   REGISTRATION NUMBER: 28,957
   REFERENCE/DOCKET NUMBER: 24884-109347-09
TELECOMMUNICATION INFORMATION:
   TELEPHONE: 202-962-4810
   TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
   LENGTH: 6769 base pairs
   TYPE: nucleic acid
   STRANDEDNESS: double
   TOPOLOGY: linear
   MOLECULE TYPE: DNA (genomic)
   HYPOTHETICAL: NO
   ANTI-SENSE: NO
   ORIGINAL SOURCE:
   ORGANISM: Homo sapiens
US-08-488-011B-20

Query Match   3.2%;   Score 176.2; DB 1; Length 6769;
Best Local Similarity 75.9%;   Pred. No. 9.4e-33;
Matches 245; Conservative   0; Mismatches 73; Indels   5; Gaps   2;

Qy   5098 AATTAAATTCTAAGAAGAGGCTGCAGTGGCTCACACCTTTAATCCCAGCACTTTGG 5157
          |||||| ||||||||||||| |||| |||||||||||||||| || ||||||||
Db   6559 AATTAAAGTAAAGGCAGGCCAGGCACAGTGGCTCAAGCCTGTAACTGCAGCACTTTGG 6500

Qy   5158 GAGGCCAAGGCAGGAGAAGACTGCTTGAAACCAGGAGTTTGAGACCAGCCTGAGCAACAAAG 5217
          |||| || ||||||||||||||||| ||||||||||||||||||||||||| || |
Db   6499 GAGGCTGAAGTGGGCAGACTGCTTGAGTCCAGGAGTTTGAGACCAGCCTCGGTAACATGG 6440

Qy   5218 CAAGACCCCATCTCTATAAAAATAAAAAATAAAAATTAGTTGGGCATGGTGCGCACATGCCTGTA 5277
          |||| |||||||||||||||||| ||||||||||||||| |||||||
Db   6439 TGAAACCCCATCTCTATAAAAATAAAAAATAAAAATTAACCGGGTGTGGTGGCATGCGCCTGTA 6380

Qy   5278 GTCCCAGCTACTCCAGAGGCTGA---GATGGATCATCTGAGGCTCAGGAGTTGAGGCT 5333
          |||||||||||||| |||||||| |||||||||||||||| |||||||||||||
Db   6379 GTCCCAGCTACTCAGGAGGCTGAAGTGGGAGGATAGCTTGAGCCTTTGGAGGTGGAGGTT 6320

Qy   5334 GCAGTGAGCTGTGACTGCGCCACTGCACTCCAGTCTGGACACAGAGCAAGACCCTGTC 5393
          ||||||||||||| |||||||| ||||||||||| ||||||||| || || ||
Db   6319 GCAGTGGAGCCAAGATTGCATCACTGCACTCCAGCCTGGG-CAACAGAGTGAGACCCCATC 6261

Qy   5394 TTAAAAAAAAGAAAAAAAA 5416
          ||||||||| |||||||
Db   6260 TCAAAAAAAAACAACAAACAA 6238

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Db   6499 GAGGCTGAAGTGGGCAGACTGCTTGAGTCCAGGAGTTTGAGACCAGCCTCGGTAACATGG 6440
Qy   5218 CAAGACCCCATCTCTATAAAAACTAAAAAAATTAGTTGGGCACATGCCTGTA 5277
Db   6439 TGAAACCCCATCTCTATAAAACCACAAAAAATTAACCGGGTGTGGTGGTGCGCCTGTA 6380
Qy   5278 GTCCCAGCTACTCCAGAGGCTGA---GATGGATCATCTGAGCCTCAGGAGGTTGAGGCT 5333
Db   6379 GTCCCAGCTACTCAGGAGGCTGAAGTGGGAGGATAGCTTGAGCCTTTGGAGGTGGAGGTT 6320
Qy   5334 GCAGTGAGCTGTGACTGCGCCACTGCACTCCAGTCTGGGACAACAGAGCAAGACCCTGTC 5393
Db   6319 GCAGTGAGCCAAGATTGCATCACTGCACTCCAGCCTGGG-CAACAGAGTGAGACCCCATC 6261
Qy   5394 TTAAAAAAAAAGAAAAAAAA 5416
Db   6260 TCAAAAAAAAACAAACAAACAAA 6238
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RESULT 14
PCT-US95-10202-20/c
, Sequence 20, Application PC/TUS9510202
; GENERAL INFORMATION:
; APPLICANT: Shattuck-Eidens, Donna M.
; APPLICANT: Simard, Jacques
; APPLICANT: Emi, Mitsuru
; APPLICANT: Nakamura, Yusuke
; APPLICANT: Durocher, Francine
; TITLE OF INVENTION: In Vivo Mutations and Polymorphisms
; TITLE OF INVENTION: in the 17q-Linked Breast and Ovarian Cancer
; TITLE OF INVENTION: Susceptibility Gene
; NUMBER OF SEQUENCES: 85
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
; STREET: 1201 New York Avenue, N.W., Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/10202
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/409,305
; FILING DATE: 24-MAR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/348,824
; FILING DATE: 29-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08-308,104
; FILING DATE: 16-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/300,266
; FILING DATE: 02-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/289,221
; FILING DATE: 12-AUG-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24884-109347
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300

; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6769 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
PCT-US95-10202-20

Query Match   3.2%;   Score 176.2;   DB 5;   Length 6769;
Best Local Similarity 75.9%;   Pred. No. 9.4e-33;
Matches 245;   Conservative 0;   Mismatches 73;   Indels 5;   Gaps 2;

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Qy   5098 AATTAAATTCTAAGAAGAGCTGGGTGCAGTGCCTCACACCTTTAATCCAGCACTTTGG 5157
Db   6559 AATTAAAGTAAAGGGCAGGGCACAGTGCCTCAAGCCTGTAACTGCAGCACTTTGG 6500
Qy   5158 GAAGCCAAGGCAGGAAGACTGCTTGAAACCAGGAGTTTGAGACCAGCCTGAGCAACAAAG 5217
Db   6499 GAGGCTGAAGTGGGCAGACTGCTTGAGTCCAGGAGTTTGAGACCAGCCTCGGTAACATGG 6440
Qy   5218 CAAGACCCCATCTCTATAAAAACTAAAAAAATTAGTTGGGCATGTGGGCACATGCCTGTA 5277
Db   6439 TGAAACCCCATCTCTATAAAACCACAAAAAATTAACCGGGTGTGGTGGTGCGCCTGTA 6380
Qy   5278 GTCCCAGCTACTCCAGAGGCTGA---GATGGATCATCTGAGCCTCAGGAGGTTGAGGCT 5333
Db   6379 GTCCCAGCTACTCAGGAGGCTGAAGTGGGAGGATAGCTTGAGCCTTTGGAGGTGGAGGTT 6320
Qy   5334 GCAGTGAGCTGTGACTGCGCCACTGCACTCCAGTCTGGGACAACAGAGCAAGACCCTGTC 5393
Db   6319 GCAGTGAGCCAAGATTGCATCACTGCACTCCAGCCTGGG-CAACAGAGTGAGACCCCATC 6261
Qy   5394 TTAAAAAAAAAGAAAAAAAA 5416
Db   6260 TCAAAAAAAAACAAACAAACAAA 6238
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RESULT 15
PCT-US95-10203-20/c
, Sequence 20, Application PC/TUS9510203
; GENERAL INFORMATION:
; APPLICANT: Skolnick, Mark H.
; APPLICANT: Goldgar, David E.
; APPLICANT: Miki, Yoshio
; APPLICANT: Swenson, Jeff
; APPLICANT: Kamb, Alexander
; APPLICANT: Harshman, Keith D.
; APPLICANT: Shattuck-Eidens, Donna M.
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Wiseman, Roger W.
; APPLICANT: Futreal, P. Andrew
; TITLE OF INVENTION: 17q-Linked Breast and Ovarian Cancer
; TITLE OF INVENTION: Susceptibility Gene
; NUMBER OF SEQUENCES: 85
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
; STREET: 1201 New York Avenue, N.W., Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/10203

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;      FILING DATE:
;      CLASSIFICATION:
;   PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: US
;      FILING DATE: 07-JUN-1995
;   PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: US 08/409,305
;      FILING DATE: 24-MAR-1995
;   PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: US 08/348,824
;      FILING DATE: 29-NOV-1994
;   PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: US 08-308,104
;      FILING DATE: 16-SEP-1994
;   PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: US 08/300,266
;      FILING DATE: 02-SEP-1994
;   PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: US 08/289,221
;      FILING DATE: 12-AUG-1994
;   ATTORNEY/AGENT INFORMATION:
;      NAME: Ihnen, Jeffrey L.
;      REGISTRATION NUMBER: 28,957
;      REFERENCE/DOCKET NUMBER: 24884-109347
;   TELECOMMUNICATION INFORMATION:
;      TELEPHONE: 202-962-4810
;      TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 20:
;   SEQUENCE CHARACTERISTICS:
;      LENGTH: 6769 base pairs
;      TYPE: nucleic acid
;      STRANDEDNESS: double
;      TOPOLOGY: linear
;   MOLECULE TYPE: DNA (genomic)
;   HYPOTHETICAL: NO
;   ANTI-SENSE: NO
;   ORIGINAL SOURCE:
;      ORGANISM: Homo sapiens
PCT-US95-10203-20
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Query Match          3.2%;   Score 176.2;   DB 5;   Length 6769;
Best Local Similarity   75.9%;   Pred. No. 9.4e-33;
Matches  245;   Conservative   0;   Mismatches   73;   Indels   5;   Gaps   2;

Qy   5098 AATTAAATTCTAAGAAGAGGCTGGTGCAGTGGCTCACCTTTAATCCCAGCACTTTGG 5157
               ||||||   |||   |||   ||||||||   |||   ||||||||||||||||||
Db   6559 AATTAAAGTAAAGGGCCAGGCCAGGCACAGTGGCTCAAGCCTGTAACTGCAGCACTTTGG 6500

Qy   5158 GAAGCCAAGGCAGGAAGACTGCTTGAAACCAGGAGTTTGAGACCAGCCTGAGCAACAAAG 5217
               |||   |||||||||   |||||||   ||||||   ||||||||   ||||   |||
Db   6499 GAGGCTGAAGTGGGCAGAACTGCTTGAGTCCAGGAGTTTGAGACCAGCCTCGGTAACATGG 6440

Qy   5218 CAAGACCCCATCCTATAAAAAACTAAAAAAATTAAAAAAAATTAGTTGGGCATGGTGGCACATGCCTGTA 5277
               ||||||||||||   |||||||   |||||||||||||||   ||||||||   ||||||||
Db   6439 TGAAACCCCATCTCTATAAAAACCACAAAAAATTAACCGGGTGTGGTGGCATGCGGCCTGTA 6380

Qy   5278 GTCCCAGCTACTCCAGAGCTGA----GATGGATCATCTGAGCCTCAGGAGGTTGAGGCT 5333
               ||||||||||||||||||||||   |||||||||||||||   |||   ||||||||
Db   6379 GTCCCAGCTACTCCAGGAGGCTGAAGTGGGAGGATAGCTTGAGCCTTTGGAGGTGGAGGTT 6320

Qy   5334 GCAGTGAGCTGTGACTGCGCCACTGCACTCCAGTCTGGGACAACAGAGCAAGACCCTGTC 5393
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Db   6319 GCAGTGAGCCAAGATTGCATCACTGCACTCCAGCCTGGG-CAACAGAGTGAGACCCCATC 6261

Qy   5394 TTAAAAAAAAGAAAAAAAA 5416
               |   ||||||   |||||
Db   6260 TCAAAAAAAAACAAACAAA 6238
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Search completed: June 12, 2003, 00:50:05
Job time : 286 secs